

ENERGY SOLUTION FOR PV SYSTEM

KSolare-Indian manufacturing company provides complete solution in **Grid-Tie inverter. (0.5KW-80KW)**
Hybrid Inverter, Bi-Directional Inverter



2001-2011

Promoters of this company having wide experience in power electronics with various application in field of power electronics & renewable.

2012-2015

Company Incorporation with promotion of KSolare branding in Asia- Pacific region.

**2015-2017
20 MW Installation**

Indigenous product development in field of Grid-Tie Inverters, Hybrid Inverters with state-of-the-art R&D with manufacturing facility in Pune.

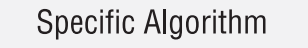
Future 2018

2017 onwards to become India's leading manufacturer of Grid-Tie inverters and to export the same to International Market.

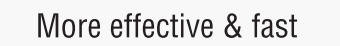
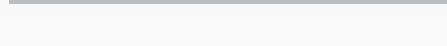
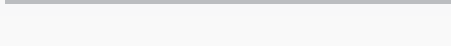
	KSolare	Others	Total
2019	100%	0%	100%
2020	100%	0%	100%
2021	100%	0%	100%
2022	100%	0%	100%
2023	100%	0%	100%
2024	100%	0%	100%
2025	100%	0%	100%
2026	100%	0%	100%
2027	100%	0%	100%
2028	100%	0%	100%
2029	100%	0%	100%
2030	100%	0%	100%

99.99%

98.75%

 Springer

0.0 ms 1.5 SEC



Clean TH



Wide 145 -290

100



60°C

[illegible]

 K Solara

KSY:1KW-6KW - 1PHASE & KSY: 5KW-80KW -3PHASE



	KSOLARE SINGLE PHASE INVERTERS 1KW TO 5KW						KSOLARE THREEE PHASE INVERTERS - 5KW TO 20KW					KSOLARE THREEE PHASE INVERTERS - 22KW TO 80KW										
Model	KSY- 1KW	KSY- 1.5KW	KSY- 2KW	KSY- 3KW	KSY- 4KW	KSY- 5KW	KSY- 5KW	KSY- 6KW	KSY- 10KW	KSY- 15KW	KSY- 20KW	KSY- 22KW	KSY- 25KW	KSY- 33KW	KSY- 35KW	KSY- 40KW	KSY- 50KW	KSY- 60KW	KSY- 80KW			
Input (DC)																						
Max. DC I/P Power (KW)	1.2	1.7	2.4	3.5	4.5	5.5	6	7	12	17.5	22	24.2	27.5	36	38.5	44	55	66	88			
Max. DC I/P (V dc)	450V DC			550V DC			1000V DC															
Max. MPPT I/P Current(A)	12 Amps.				20 A		20 A					28.5 A.										
MPPT Short Circuit Current(A)	15.6 Amps.				26 Amps.		26Amps.					37Amps.										
MPPT Tracking Voltage(Vdc)	70-450V				100-500V		200-1000V															
Min. Start/Shut down (V)	70 / 150 V				100 / 150V		250VDC/150VDC(low) & 1000VDC(High)															
Number of MPPT Tracker	1				1/2		1/2			2		2			2/3/4							
Strings per MPPT Trackers	1						2						3									
Output (AC)																						
Nominal output power (KW)	1	1.5	2	3	4	5	5	6	10	15	20	22	25	33	35	40	50	60	80			
Max output power (KW)	1.1	1.65	2.2	3.2	4.2	5.2	5.5	6.6	11	16.5	21	24.2	26.5	36	38.5	42	52	66	88			
Nominal Grid Voltage (V)	140-290V user defined						320-470V user defined															
Nominal Grid freq.(Hz)	47-55 auto selection																					
Max. output current AC(A)	5	8	10	15	20	23	8	9	15	22	29	31.8	36.2	47.8	51	58	72.4	91	120			
AC Connection (With PE)	Single Phase						Three Phase															
THD (%)	<2.2%				<2.3%		<2.3%															
Power factor(%)	>99.99%(User adjustable from 0.85 to 0.99.99)																					
Efficiency																						
MAX	97.6	97.6	97.8	98	98.1	98.3	98.2	98.3	98.5	98.5	98.6	98.5	98.5	98.6	98.7	98.8	98.9	99	99			
MAX.EUR	97.1	97.1	97.3	97.6	97.8	98	98	98	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5			
Max. MPPT Efficiency (%)	99.99																					
Standards, Safety & Protections																						
Protection & Safety	DC Reverse -Polarity, DC High/Low/over-current/Short Circuit Protection, DC/AC Side Type -2 SPD, Temperature Protected, , GDT,ELCB/RCCB,User define Grid Monitoring setting & Anti islanding																					
SPD	Type -3SPD																TYPE -2 & TYPE- 3 SPD					
MPPT Efficiency	EN 50530																					
Inverter Efficiency	IEC 61685																					
Protection Class	1(According to IEC 62103)																					
Over Voltage Category	PVII / Mains II (According to IEC 62109-1)																					
Safety Standard	IEC 62109-1&2																					
EMC Standard	IEC61000-6-1/2/3/4																					
Emnvironment Protection	IEC 60068-2-1/2/14/15																					
Product Safety for relay	IEC 60255-27:2013																					
Anti-Islanding	IEC-62116																					
Ingress Protection	IP 65 (Accordance to IEC 60529)																					
Physical Parameters																						
Dimensions(WXHXD) mm	270X417X124				385X490X165				430X600X220				530X688X357				958X636X260			700X575X309		
Weight (Kg)	10.2				15		15			30		48		50		57		60		60		
General Data																						
Operating Temperature	minus 25 to plus 60 degree																					
Design Life	Over 25 years																					
Night Con. (W)/Noise Level	<0.2/<25dB						<0.2/<25dB					<0.2/<25dB										
Heat Dissipation	Natural Convection										Natural Cooling with IP65 Fan											
RH/Max. Altitude	0% to 98%. No Condensation/<2000 without power derating																					
Display	LED with graphical mimic 3.5" TFT display																					
DC /AC Connectors	MC-4/IP65 Plug																	MC4/H4				
Communication interface	RS 485/RS232/WiFi/GPRS/ETHERNET LAN																					
Standard Warranty	5 Years/ 10 years (for selected model)																					

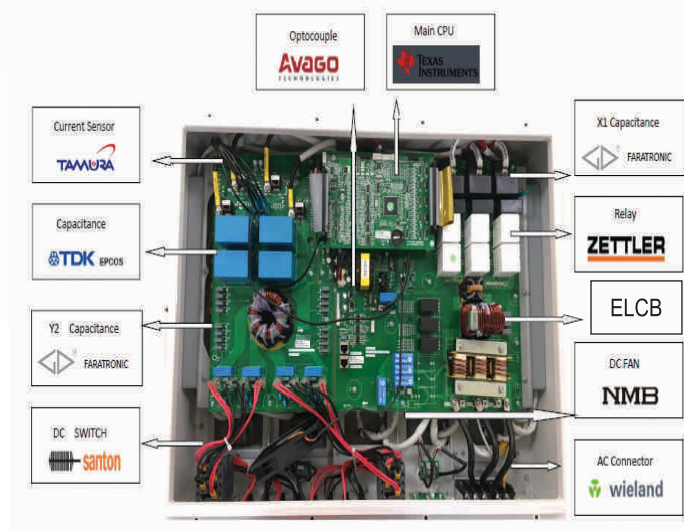
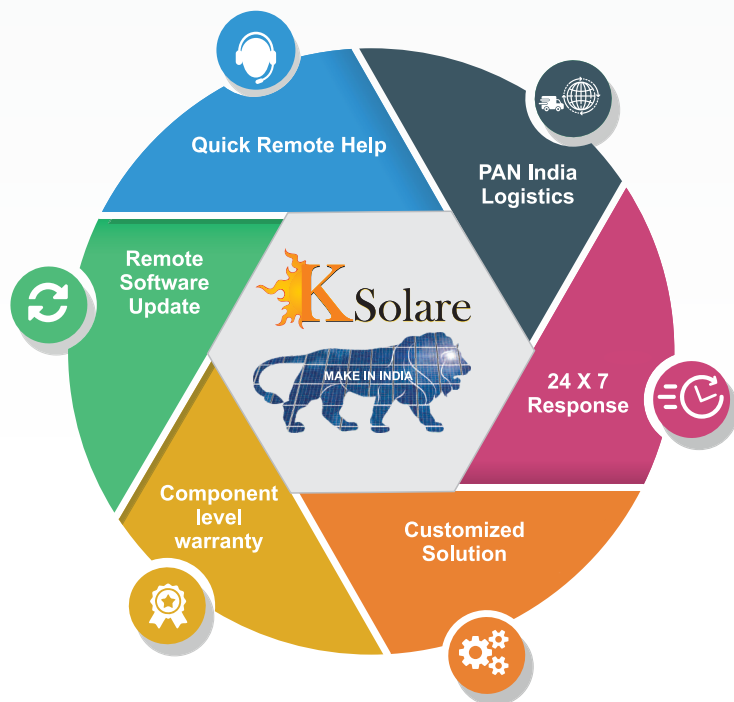


24x7 Web Monitoring System



USP for 3rd Generation Grid-Tie Single and Three phase String Inverters from 1 to 80KW :

1. Fastest Anti-Islanding response time (0.9ms) as compared to other which 1~5 Sec.
2. Wide Output AC Voltage Range (145 ~295V AC) as compared to other which is (176~276V AC)
3. High MPPT Dynamic Efficiency (99.99%) as compared to other which 97~98%
4. Zero Maintenance Fan less technology
5. SPD with GDT protections at DC and AC side for voltage spikes against lightening and surge
6. AC/DC EMI & RFI filters with protections like ELCB, RCCB, OV/UV, OL/SCP
7. User defined Grid parameters for LVRT/HVRT as per Grid conditions
8. Full Graphical Mimic Display (85X60mm) cum LED to monitor various parameters
9. RMU with Wi-Fi / GPRS to monitor all parameters on Indian cloud server
10. Over 20MW Successful installation with personalize 24X7 Service back-up
11. Derating starts from 52 degrees till 60 degrees as compared to others which stops at 52 degrees
12. Ksolare gives 0.5 % extra generation with Lowest THD (<1.7%) Vs others which is over 3%
13. Lowest Installation time -50KW -installation time is typically 20min.



KSolare Energy Pvt. Ltd.
Marketing Office & Works
Sr. No 43, Plot No 7, Nr. Navasahyadri
Post Office, Karvenagar,
Pune-411052

Phone: +91-7030955504/5
Tel: 020-25442631/32/35
Email: sales@ksolare.com
Website: www.ksolare.com

